

Title (en)

SEALING SYSTEM FOR AN ASSEMBLY

Title (de)

DICHTUNGSANORDNUNG AN EINEM AGGREGAT

Title (fr)

DISPOSITIF D'ETANCHEIFICATION SUR UN MOTEUR

Publication

**EP 1307671 A1 20030507 (DE)**

Application

**EP 01951393 A 20010616**

Priority

- DE 0102240 W 20010616
- DE 10033348 A 20000708

Abstract (en)

[origin: WO0204845A1] The invention relates to a sealing system for an assembly (10), comprising a part (11) that has a wall (16) with a front-face groove (20) in which a rubber-elastic seal (27) is disposed. Said seal (27) extends, in the unloaded state, beyond two grooved cheeks (22, 25) of the groove (20). The outer grooved cheek (22) is provided with a nose-shaped projection (23), while the inner grooved cheek (25) has a lower height vis-à-vis the grooved cheek (22) and has a wedge-shaped cross-section. The projection (23) of the grooved cheek (22) and the seal (27) interact to give a sealing system whose effect in the loaded state is due both to a plastic deformation of the projection (23) on a surface (14) of a part (12) and to the force with which the seal (27) is retained in the groove (20).

IPC 1-7

**F16J 15/06**

IPC 8 full level

**F16J 15/06** (2006.01); **F16J 15/10** (2006.01)

CPC (source: EP KR US)

**F16J 15/06** (2013.01 - KR); **F16J 15/062** (2013.01 - EP US)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**WO 0204845 A1 20020117**; BR 0112302 A 20030708; BR 0112302 B1 20101005; CN 1328522 C 20070725; CN 1440496 A 20030903; DE 10033348 A1 20020117; DE 50114249 D1 20081002; EP 1307671 A1 20030507; EP 1307671 B1 20080820; ES 2309078 T3 20081216; HU 223232 B1 20040428; HU P0301469 A2 20030828; JP 2004502914 A 20040129; JP 4778191 B2 20110921; KR 100770552 B1 20071026; KR 20030015370 A 20030220; US 2004036232 A1 20040226; US 6837498 B2 20050104

DOCDB simple family (application)

**DE 0102240 W 20010616**; BR 0112302 A 20010616; CN 01812344 A 20010616; DE 10033348 A 20000708; DE 50114249 T 20010616; EP 01951393 A 20010616; ES 01951393 T 20010616; HU P0301469 A 20010616; JP 2002509680 A 20010616; KR 20037000149 A 20030106; US 33237803 A 20030929